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The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

355 Lexington Avenue
New York, New York 10017
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FOR THE MONTH AND PERIOD ENDED February 1986

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y.

Issue No. 2
RELEASE DATE: April 18, 1986

NOTE TO USERS:

PLEASE USE THE FOLLOWING LEGEND WHEN QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS AS COMPILED BY ERNST & WHINNEY

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The figures published in this report are reflective of the relevant segment of the industry. In accordance with SPI policy and regulations of the Committee on Resin Statistics, figures will not be published which tend to identify, directly or indirectly, a participant's individual data. Any figures withheld to avoid disclosure are identified by the letter "D" at the applicable line or space of the report. A line will be identified by a "D" if one company has more than 65% of that line, or if there are less than four companies reporting on that line.

SPI

SECTION I

CRS

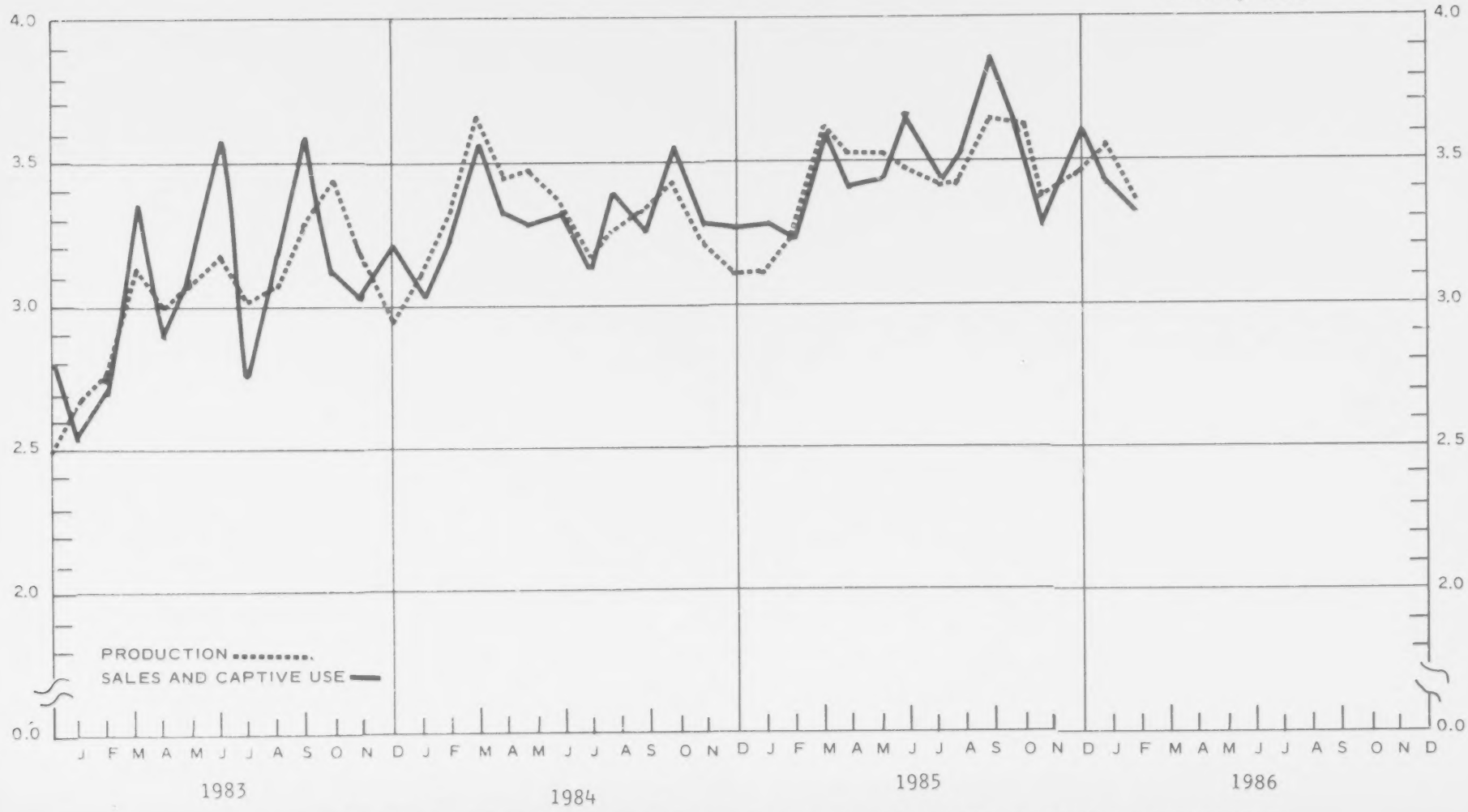
MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(In billion of pounds)

February 1986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PRODUCTION
SALES AND CAPTIVE USE
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SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)(1)

CRS

FEBRUARY 1986

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
EPOXY RESINS, TOTAL	29,307	28,269	+3.7	62,896	58,094	+8.3	29,779	29,807	-0.0	58,254	55,145	+5.6
POLYESTER (UNSATURATED) RESINS, TOTAL	94,782	95,179	-0.4	188,447	197,159	-4.4	95,277	95,908	-0.7	186,489	197,164	-5.4
UREA RESINS, TOTAL	96,201	97,223	-1.1	192,990	190,222	+1.5	97,694	97,827	-0.1	193,831	193,786	+0.0
MELAMINE RESINS, TOTAL	15,569	14,710	+5.8	31,587	30,886	+2.3	14,505	15,125	-4.1	26,697	31,880	-16.3
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	212,801	194,145	+9.6	440,418	404,355	+8.9	211,316	195,699	+8.0	436,188	403,213	+8.2
THERMOSETTING RESINS, TOTAL	448,660	429,526	+4.5	916,338	880,716	+4.0	448,571	434,366	+3.3	901,459	881,188	+2.3
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	609,039	637,746	-4.5	1,337,451	1,299,124	+3.0	679,095	697,475	-2.6	1,489,564	1,387,194	+7.4
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	541,004	482,014	+12.2	1,015,310	970,716	+4.6	547,569	512,088	+6.9	1,108,556	1,017,683	+8.9
POLYPROPYLENE, TOTAL	452,522	411,184	+10.1	856,798	829,810	+3.3	427,515	389,990	+9.6	914,106	787,613	+16.1
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	89,358	89,010	+0.4	168,829	166,077	+1.7	95,495	85,348	+11.9	172,186	155,789	+10.5
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	6,981	7,577	-7.9	14,512	15,413	-5.8	8,004	8,448	-5.3	16,081	16,615	-3.2
POLYSTYRENE RESINS, TOTAL	321,536	308,742	+4.1	669,205	624,098	+7.2	325,200	313,556	+3.7	648,744	595,836	+8.9
STYRENE BASED LATEXES, TOTAL	66,504	61,935	+7.4	139,517	124,908	+11.7	61,566	59,276	+3.9	127,395	117,213	+8.7
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	18,345	19,788	-7.3	42,676	38,419	+11.1	19,590	18,953	+3.4	43,415	37,292	+16.4
NYLON RESINS, TOTAL	37,224	32,902	+13.1	74,303	68,297	+8.8	35,916	33,951	+5.8	75,122	67,236	+11.7
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	576,349	560,394	+2.8	1,186,365	1,159,955	+2.3	561,708	546,471	+2.8	1,125,860	1,073,049	+4.9
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	54,032	52,333	+3.2	113,240	107,114	+5.7	* 54,032	* 52,333	+3.2	* 113,240	* 107,114	+5.7
POLYVINYL ALCOHOL, TOTAL #	13,296	11,925	+11.5	27,741	22,549	+23.0	15,961	9,483	+68.3	30,920	23,904	+29.4
OTHER VINYL RESINS, TOTAL	15,065	14,234	+5.8	29,260	30,271	-3.3	15,916	14,901	+6.8	33,313	29,747	+12.0
THERMOPLASTIC POLYESTER, TOTAL	82,293	75,412	+9.1	166,027	151,926	+9.3	86,652	72,426	+19.6	172,475	146,250	+17.9
THERMOPLASTIC RESINS, TOTAL	2,883,548	2,765,196	+4.3	5,841,234	5,608,677	+4.1	2,934,219	2,814,699	+4.2	6,070,977	5,562,535	+9.1
GRAND TOTAL	3,332,208	3,194,722	+4.3	6,757,572	6,489,393	+4.1	3,382,790	3,249,065	+4.1	6,972,436	6,443,723	+8.2

(1) = Except phenolic resins which are reported on a gross weight basis

* = These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual production of PVAc is significantly higher than that shown here.

= Includes imputed data

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

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R = Revision

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CRS

SECTION I
MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In millions of pounds, dry weight basis)(1)

February 1986

RESIN KIND	February				YEAR-TO-DATE				
	Production	Imports	Exports*	Apparent Consumption	Production	Imports	Exports*	Apparent Consumption	Import % of Apparent Consumption
EPOXY RESINS, TOTAL	30	2	7	25	58	3	16	45	7%
POLYESTER (UNSATURATED) RESINS, TOTAL	95	0	3	92	186	0	6	180	0%
UREA RESINS, TOTAL	98	2	0	100	194	4	1	197	2%
MELAMINE RESINS, TOTAL	15	0	0	15	27	0	1	26	0%
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	211	3	3	211	436	7	6	437	2%
THERMOSETTING RESINS, TOTAL	449	7	13	443	901	14	30	885	2%
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	679	33	55	657	1,490	108	123	1,475	7%
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	548	4	70	482	1,109	7	174	942	1%
POLYPROPYLENE, TOTAL	428	2	76	354	914	4	144	774	1%
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	95	6	5	96	172	14	15	171	8%
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	8	0	1	7	16	0	2	14	0%
OTHER STYRENICS	81	3	3	81	171	6	11	166	4%
POLYSTYRENE, TOTAL	325	2	11	316	649	3	19	633	0%
NYLON RESINS, TOTAL	36	1	5	32	75	5	9	71	7%
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	562	21	16	567	1,126	50	49	1,127	4%
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	54	2	3	53	113	3	5	111	3%
POLYVINYL ALCOHOL, TOTAL	16	3	3	16	31	9	6	34	26%
OTHER VINYL RESINS, TOTAL	16	3	4	15	33	6	8	31	19%
THERMOPLASTIC POLYESTER, TOTAL	87	3	13	77	172	5	26	151	3%
THERMOPLASTIC RESINS, TOTAL	2,935	83	265	2,753	6,071	220	591	5,700	4%
GRAND TOTAL	3,384	90	278	3,196	6,972	234	621	16,585	4%

(1) = Except phenolic resins which are reported on a gross weight basis
D = Disclosure
R = Revision

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Sources: Production — SPI Monthly Statistical Report
Imports — Bureau of Census IM 146
Exports — Bureau of Census EM 546

* = Bureau of Census exports will differ from the SPI exports as published on pages 4 through 11 of this report.

	Import No. (1)	Export No. (2)
Epoxy	409.0200	444.5410/444.5420
Polyester, Unsaturated	409.1000	444.6000
Urea	445.3540	444.5220
Melamine	445.3520	444.5210
Phenolic	409.0600	444.5810/444.5820
Low Density Polyethylene	445.3010	444.1610
High Density Polyethylene	445.3020	444.1620
Polypropylene	445.5200	444.1700
ABS	408.7200	444.2010
SAN	408.8100	444.2020
Other Styrenics	408.7600/408.8450	444.2050
Polystyrene	408.8420	444.2030/444.2040
Nylon	408.6100	444.1210
PVC	445.4600	444.2310/444.2320
Vinyl Acetate	445.4400	444.2120
Polyvinyl Alcohol	445.4200	444.2110
Other Vinyls	445.4800	444.2330
Thermoplastic Polyester	408.6800	444.1500

(1) Tariff Schedules of the U.S. Annotated
(2) Schedule B

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SECTION I
MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

CRS

THERMOSETTING RESINS

FEBRUARY 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
EPOXY RESINS, TOTAL	29,307	28,269	+3.7	62,896	58,094	+8.3	29,779	29,807	0.0	58,254	55,145	+5.6
Total Exports	4,064	3,053	+33.1	9,954	5,686	+75.1						
Captive Use, Total	936	1,109	-15.6	2,279	2,347	-2.9						
Domestic Sales, Total	24,307	24,107	+0.8	50,663	50,061	+1.2						
Domestic Sales & Captive Use, Total	25,243	25,216	+0.1	52,942	52,408	+1.0						
Bonding & Adhesives	1,648	1,479	+11.4	3,313	3,084	+7.4						
Flooring, Paving & Exposed Aggregate	1,435	1,239	+15.8	2,838	2,521	+12.6						
Protective Coatings	12,564	11,846	+6.1	26,062	25,613	+1.8						
Fiber Reinforced Laminates & Composites, Total	5,685	6,623	-14.2	12,214	12,879	-5.2						
FRL&C for Printed Wiring Board	3,626	4,542	-20.2	7,507	8,728	-14.0						
All Other FRL&C	2,059	2,081	-1.1	4,707	4,151	+13.4						
Tooling, Casting & Molding Resins	1,828	2,106	-13.2	3,888	4,390	-11.4						
All Other Uses	2,083	1,923	+8.3	4,627	3,921	+18.0						
POLYESTER (UNSATURATED) RESINS, TOTAL	94,782	95,179	-0.4	188,447	197,159	-4.4	95,277	95,908	-0.7	186,489	197,164	-5.4
Total Exports	811	668	+21.4	1,680	1,399	+20.1						
Total Domestic	93,971	94,511	-0.6	186,767	195,760	-4.6						
General Purpose Resins, Total	81,559	82,704	-1.4	161,648	171,406	-5.7						
General Purpose – Thixotropic	36,341	34,476	+5.4	71,333	70,152	+1.7						
General Purpose – Press Molding	15,166	13,142	+15.4	28,116	25,819	+8.9						
General Purpose – All Other	30,052	35,086	-14.3	62,199	75,435	-17.5						
Flame Retardant Resins	2,070	1,899	+9.0	3,963	3,863	+2.6						
Chemical Resistant Resins	10,342	9,908	+4.4	21,156	20,491	+3.2						
Chemical Resistant Isophthalic Resins	8,070	7,575	+6.5	16,837	15,573	+8.1						
All Other Chemical Resistant Resins	2,272	2,333	-2.6	4,319	4,918	-12.2						
Reinforced Plastics, Total	73,549	74,030	-0.6	146,099	152,723	-4.3						
Non-Reinforced Plastics, Total	20,422	20,481	-0.3	40,668	43,037	-5.5						

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R – Revision

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SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)(1)

THERMOSETTING RESINS

FEBRUARY 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
UREA RESINS, TOTAL	96,201	97,223	-1.1	192,990	190,222	+1.5	97,694	97,827	-0.1	193,831	193,786	+0.0
MELAMINE RESINS, TOTAL	15,569	14,710	+5.8	31,587	30,886	+2.3	14,505	15,125	-4.1	26,697	31,880	-16.3
UREA & MELAMINE RESINS, TOTAL	111,770	111,933	-0.1	224,577	221,108	+1.6	112,199	112,952	-0.7	220,528	225,666	-2.3
Total Exports	D	D		D	D							
Total Domestic*	111,770	111,933	-0.1	224,577	221,108	+1.6						
Textile Treating & Coating Resins	1,504	1,787	-15.8	3,666	3,248	+12.9	1,912	2,278	-16.1	4,661	5,070	-8.1
Paper Treating & Coating Resins	7,779	7,677	+1.3	14,904	15,514	-3.9	7,636	8,357	-8.6	14,823	16,878	-12.2
Molding Compounds	D	D		D	D		D	D		D	D	
Bonding & Adhesive Resins for:	86,054	85,943	+0.1	171,848	167,701	+2.5	86,590	86,594	-0.0	170,804	169,370	+0.8
Laminating	3,889	3,583	+8.5	7,244	7,257	-0.2	3,876	3,528	+9.9	7,137	7,151	-0.2
Plywood	4,753	5,335	-10.9	8,712	9,359	-6.9	4,756	5,257	-9.5	8,728	9,264	-5.8
Fibrous & Granulated Wood (Particle Board)	77,412	77,025	+0.5	155,892	151,085	+3.2	77,958	77,809	+0.2	154,939	152,955	+1.3
Protective Coatings (Straight & Modified)	8,764	6,523	+34.4	18,195	14,232	+27.8	8,702	7,778	+11.9	15,024	16,656	-9.8
All Other Uses (Includes Molding Compounds, and Exports)	7,669	10,003	-23.3	15,964	20,413	-21.8	7,359	7,945	-7.4	15,216	17,692	-14.0
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	212,801	194,145	+9.6	440,418	404,355	+8.9	211,316	195,699	+8.0	436,188	403,213	+8.2
Total Exports	1,247	1,771	-29.6	2,471	3,533	-30.1						
Total Domestic	211,554	192,374	+10.0	437,947	400,822	+9.3						
Molding Compounds	18,224	18,393	-0.9	36,135	36,059	+0.2	18,932	21,203	-10.7	36,474	38,739	-5.8
Bonding & Adhesive Resins for:	190,289	168,009	+13.3	395,533	353,701	+11.8	188,991	168,500	+12.2	393,018	353,467	+11.2
Laminating	14,098	10,354	+36.2	29,600	23,272	+27.2	12,700	8,967	+41.6	26,485	20,302	+30.5
Coated & Bonded Abrasives	1,345	1,492	-9.9	2,692	2,912	-7.6	1,344	1,498	-10.3	2,697	2,923	-7.7
Friction Materials	2,662	2,409	+10.5	4,604	4,492	+2.5	2,425	2,737	-11.4	4,335	5,007	-13.4
Insulation Materials	29,606	26,937	+9.9	66,145	58,668	+12.7	30,000	27,549	+8.9	66,444	59,707	+11.3
Foundry & Shell Molding	3,649	6,318	-42.2	7,144	13,203	-45.9	3,516	6,435	-45.4	7,004	13,590	-48.5
Plywood	100,729	94,644	+6.4	205,434	197,330	+4.1	100,652	94,990	+6.0	205,740	197,375	+4.2
Fibrous & Granulated Wood	20,436	14,176	+44.2	43,007	30,027	+43.2	20,435	14,101	+44.9	43,155	30,153	+43.1
Resins Sold to Rubber Industry	2,523	2,284	+10.5	5,165	4,589	+12.6	2,636	2,891	-8.8	5,416	5,263	+2.9
All Other	15,241	9,395	+62.2	31,742	19,208	+65.3	15,283	9,332	+63.8	31,742	19,147	+65.8
Protective Coatings – Unmodified & Modified	1,599	1,859	-14.0	3,401	3,797	-10.4	1,564	1,823	-14.2	3,341	3,763	-11.2
Resins Sold to Rubber Industry, Non-Adhesive Uses #	D	D		D	D		D	D		D	D	
All Other Uses #	1,442	4,113	-64.9	2,878	7,265	-60.4	1,829	4,173	-56.2	3,355	7,244	-53.7

(1) = Except phenolic resins which are reported on a gross weight basis

* = Domestic total includes exports.

\# = Due to disclosure problem, All Other Uses includes Resins Sold to Rubber Industry, Non-Adhesive Uses.

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D = Disclosure

R = Revision

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SECTION I
MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

CRS

THERMOPLASTIC RESINS

FEBRUARY 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	609,039	637,746	-4.5	1,337,451	1,299,124	+3.0	679,095	697,475	-2.6	1,489,564	1,387,194	+7.4
Total Exports	66,703	75,545	-11.7	140,569	161,279	-12.8						
Total Domestic	542,336	562,201	-3.5	1,196,882	1,137,845	+5.2						
Film (12 Mils & Below)	293,506	348,232	-15.7	717,542	715,046	+0.3						
Sheet (Over 12 Mils)	D(3)	D(3)		D(3)	D(3)							
Injection Molding	46,123	46,908	-1.7	89,103	87,374	+2.0						
Wire & Cable	26,256	30,325	-13.4	55,214	62,044	-11.0						
Extrusion Coating	56,522	53,624	+5.4	109,138	107,764	+1.3						
Blow Molding	3,528	4,105	-14.1	7,058	8,939	-21.0						
Pipe & Conduit, Total	2,802	2,845	-1.5	5,222	5,391	-3.1						
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe & Conduit	D	D		D	D							
Other Extruded Products	7,911	6,733	+17.5	17,189	14,108	+21.8						
Resellers & Compounders	44,651	*		82,067	*							
All Other Uses	61,037	69,429	-12.1	114,349	137,179	-16.6						
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	541,004	482,014	+12.2	1,015,310	970,716	+4.6	547,569	512,088	+6.9	1,108,556	1,017,683	+8.9
Total Exports	88,940	49,286	+80.5	145,389	107,845	+34.8						
Total Domestic	452,064	432,728	+4.5	869,921	862,871	+0.8						
Film (12 Mils & Below)	35,043	35,228	-0.5	69,516	64,574	+7.7						
Sheet (Over 12 Mils)	14,294	10,776	+32.6	25,253	21,054	+19.9						
Injection Molding	110,201	102,442	+7.6	204,028	209,961	-2.8						
Wire & Cable	9,309	10,218	-8.9	20,406	20,205	+1.0						
Extrusion Coating	D(2)	D(2)		D(2)	D(2)							
Blow Molding	185,135	172,558	+7.3	364,394	354,388	+2.8						
Pipe & Conduit, Total	30,857	37,801	-18.4	62,587	70,318	-11.0						
Corrugated Pipe & Conduit	7,180	11,340	-36.7	15,503	18,997	-18.4						
Non-Corrugated Pipe & Conduit	23,677	26,461	-10.5	47,084	51,321	-8.3						
Other Extruded Products	2,625	4,693	-44.1	6,963	7,168	-2.9						
Resellers & Compounders	40,693	*		73,132	*							
All Other Uses	23,907	59,012	-59.5	43,642	115,203	-62.1						

(2) = Included in Other Extruded Products
(3) = Included in Film
* = 1985 data not available

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R = Revision

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SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

CRS

THERMOPLASTIC RESINS

FEBRUARY 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
POLYPROPYLENE, TOTAL	452,522	411,184	+10.1	856,798	829,810	+3.3	427,515	389,990	+9.6	914,106	787,613	+16.1
Total Exports	83,525	68,405	+22.1	158,155	121,285	+30.4						
Total Domestic	368,997	342,779	+7.6	698,643	708,525	-1.4						
Injection Molding	104,983	113,650	-7.6	206,293	223,582	-7.7						
Appliances	10,632	9,993	+6.4	20,836	21,130	-1.4						
Consumer Products	27,011	30,179	-10.5	51,556	57,613	-10.5						
Rigid Packaging	30,030	30,796	-2.5	65,283	61,184	+6.7						
Transportation	27,969	32,183	-13.1	52,450	61,515	-14.7						
All Other Injection Molding	9,341	10,499	-11.0	16,168	22,140	-27.0						
Blow Molding	8,928	9,205	-3.0	17,390	17,008	+2.2						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below)	36,954	37,591	-1.7	74,742	80,860	-7.6						
Sheet (Over 10 Mils)	2,382	3,517	-32.3	5,065	7,342	-31.0						
Extrusion Coating	D	D		D	D							
Wire & Cable	D	D		D	D							
Fiber & Filaments	116,832	103,409	+13.0	210,618	233,007	-9.6						
Textile Applications	107,857	93,914	+14.8	193,567	213,784	-9.5						
Non-Textile Monofilaments	8,975	9,495	-5.5	17,051	19,223	-11.3						
Pipe & Conduit	D	D		D	D							
Other Extruded Products #	6,275	7,378	-14.9	12,885	14,585	-11.7						
Resellers & Compounders	75,903	64,190	+18.2	140,705	118,241	+19.0						
All Other Uses	16,740	3,839	+336.1	30,945	13,900	+122.6						

= Includes Extrusion Coating, Wire & Cable, Pipe & Conduit

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SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

CRS

THERMOPLASTIC RESINS

FEBRUARY 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	89,358	89,010	+0.4	168,829	166,077	+1.7	95,495	85,348	+11.9	172,186	155,789	+10.5
Total Exports												
Total Domestic												
Electrical & Electronic Uses												
Pipe, Conduit & Fittings												
Transportation												
Consumer & Institutional												
All Other Uses												
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	6,981	7,577	-7.9	14,512	15,413	-5.8	8,004	8,448	-5.3	16,081	16,615	-3.2
Total Exports	1,029	725	+41.9	1,705	1,249	+36.5						
Total Domestic	5,952	6,852	-13.1	12,807	14,164	-9.6						
POLYSTYRENE RESINS, TOTAL	321,536	308,742	+4.1	669,205	624,098	+7.2	325,200	313,556	+3.7	648,744	595,836	+8.9
Straight Polystyrene	161,006	153,285	+5.0	342,431	313,448	+9.2	176,311	157,250	+12.1	352,681	310,043	+13.8
Rubber-Modified Polystyrene	160,530	155,457	+3.3	326,774	310,650	+5.2	148,889	156,306	-4.7	296,063	285,793	+3.6
Total Exports	7,895	9,769	-19.2	15,711	15,527	+1.2						
Straight Polystyrene	3,892	6,051	-35.7	8,448	9,731	-13.2						
Rubber-Modified Polystyrene	4,003	3,718	+7.7	7,263	5,796	+25.3						
Total Domestic	313,641	298,973	+4.9	653,494	608,571	+7.4						
Molding	113,144	109,513	+3.3	233,790	220,430	+6.1						
Extrusion	138,149	125,170	+10.4	291,037	262,956	+10.7						
Expandable Polystyrene Beads	33,632	34,787	-3.3	64,184	69,561	-7.7						
All Other Uses	28,716	29,503	-2.7	64,483	55,624	+15.9						
Polystyrene End Uses, Total**	313,641	298,973	+4.9	653,494	608,571	+7.4						
Packaging	70,533	72,840	-3.2	152,261	150,077	+1.5						
Disposables	37,521	33,183	+13.1	80,529	68,108	+18.2						
Consumer and Institutional Products	35,508	48,136	-26.2	74,407	103,529	-28.1						
Electrical/Electronics	26,676	25,433	+4.9	58,508	52,026	+12.5						
Furniture, Furnishings, Building & Construction	13,873	10,845	+27.9	28,409	24,070	+18.0						
Expandable Polystyrene Beads	33,632	34,787	-3.3	64,184	69,561	-7.7						
Resellers and Compounders	32,147	41,131	-21.8	72,136	77,955	-7.5						
All Other End Uses	63,751	32,618	+95.4	123,060	63,245	+94.6						

** = Portions of the End Use Section are estimated.

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SECTION I
MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

CRS

THERMOPLASTIC RESINS

FEBRUARY 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
STYRENE BASED LATEXES, TOTAL	66,504	61,935	+7.4	139,517	124,908	+11.7	61,566	59,276	+3.9	127,395	117,213	+8.7
Paper Treating	4,226	3,679	+14.9	8,828	6,538	+35.0						
Textile Treating	1,607	1,544	+4.1	3,351	2,705	+23.9						
Carpet Backing	24,026	24,775	-3.0	50,270	48,688	+3.2						
All Other Uses (Including Exports & Paper Coating)	36,645	31,937	+14.7	77,068	66,977	+15.1						
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	18,345	19,788	-7.3	42,676	38,419	+11.1	19,590	18,953	+3.4	43,415	37,292	+16.4
Total Export	D	D		D	D							
Total Domestic	18,345	19,788	-7.3	42,676	38,419	+11.1						
Molding & Extrusion	13,873	14,556	-4.7	33,258	27,650	+20.3						
Coatings	4,472	5,232	-14.5	9,418	10,769	-12.5						
NYLON RESINS, TOTAL	37,224	32,902	+13.1	74,303	68,297	+8.8	35,916	33,951	+5.8	75,122	67,236	+11.7
Total Exports	3,034	2,286	+32.7	5,067	4,646	+9.1						
Total Domestic	34,190	30,616	+11.7	69,236	63,651	+8.8						
Injection Molding Grade	23,227	20,593	+12.8	45,668	42,394	+7.7						
Extrusion Grade	9,259	8,291	+11.7	19,035	17,349	+9.7						
Resellers and Compounders	1,313	1,275	+3.0	3,353	2,889	+16.1						
All Other Uses	391	457	-14.4	1,180	1,019	+15.8						

*** = Old disclosure rules apply for Styrene Butadiene section. One company cannot be greater than 50% and no two companies can be greater than 75%. For disclosure rules covering other materials, see the back of the cover of the report.

* = Exports are included in Total Domestic and Molding & Extrusion.

Styrene Based Latexes sales includes some Canadian-produced material.

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SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

THERMOPLASTIC RESINS

FEBRUARY 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	576,349	560,394	+2.8	1,186,365	1,159,955	+2.3	561,708	546,471	+2.8	1,125,860	1,073,049	+4.9
Homopolymer Resins Including Blending & Latex	527,061	510,798	+3.2	1,089,292	1,063,568		508,873	494,457	+2.9	1,025,992	971,924	+5.6
Copolymer Resins Including Blending & Latex	17,826	20,175	-11.6	34,330	40,091	-14.4	18,164	22,927	-20.8	32,657	43,226	-24.5
Dispersion Resins	31,462	29,421	+6.9	62,743	56,296	+11.5	34,671	29,087	+19.2	67,211	57,899	+16.1
Total Exports	24,125	23,226	+3.9	53,258	54,917	-3.0						
Total Domestic	552,224	537,168	+2.8	1,133,107	1,105,038	+2.5						
Calendering, Total	58,531	51,926	+12.7	114,456	106,144	+7.8						
Flooring	15,079	12,038	+25.3	26,190	24,836	+5.5						
Textile	8,397	7,839	+7.1	12,904	14,886	-13.3						
All Other Calendering Uses	35,055	32,049	+9.4	75,362	66,422	+13.5						
Coating, Total	24,639	22,006	+12.0	48,778	43,419	+12.3						
Flooring	10,577	7,905	+33.8	20,452	14,907	+37.2						
Textile & Paper Coating	7,150	7,583	-5.7	14,783	13,514	+9.4						
Protective Coatings	3,927	3,560	+10.3	7,614	6,901	+10.3						
Adhesives & All Other Coating Uses	2,985	2,958	+0.9	5,929	8,097	-26.8						
Extrusion, Total	383,404	383,355	+0.0	780,529	798,625	-2.3						
Wire & Cable	37,556	39,860	-5.8	72,710	79,998	-9.1						
Film & Sheet	18,114	20,747	-12.7	42,470	43,268	-1.8						
Siding & Siding Accessories	39,014	33,893	+15.1	78,888	67,663	+16.6						
Rigid Pipe & Tubing (Except Fittings)	238,888	243,343	-1.8	491,168	523,577	-6.2						
All Other Extrusions	49,832	45,512	+9.5	95,293	84,119	+13.3						
Molding, Total	41,410	39,610	+4.5	88,928	77,520	+14.7						
Bottles	16,466	14,728	+11.8	32,208	27,098	+18.9						
Sound Records	3,269	4,188	-21.9	8,795	10,635	-17.3						
Fittings (Rigid Pipe & Tubing)	11,541	14,771	-21.9	28,946	27,888	+3.8						
All Other Molding	10,134	5,923	+71.1	18,979	11,899	+59.5						
Paste Processes (Except Coating)	13,748	12,924	+6.4	28,433	25,384	+12.0						
Plastisol Formulation	6,492	6,057	+7.2	13,523	13,558	-0.3						
All Other	7,256	6,867	+5.7	14,910	11,826	+26.1						
Resellers & Compounders	20,870	9,127	+128.7	43,956	15,850	+177.3						
All Other Uses	9,622	18,220	-47.2	28,027	38,096	-26.4						

R = Revision

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SPI

SECTION I
MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

CRS

THERMOPLASTIC RESINS

FEBRUARY 1986

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	FEBRUARY			YEAR-TO-DATE			FEBRUARY			YEAR-TO-DATE		
	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change	1986	1985	% Change
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL #	54,032	52,333	+3.2	113,240	107,114	+5.7						
Total Exports	412	475	-13.3	1,037	1,047	-1.0						
Total Domestic	53,620	51,858	+3.4	112,203	106,067	+5.8						
Emulsion Paints	18,270	15,694	+16.4	38,921	30,296	+28.5						
Adhesives, Caulks and Sealants	20,410	19,935	+2.4	41,556	42,402	-2.0						
Paper Treating & Paper Coating	8,253	8,892	-7.2	17,396	18,775	-7.3						
Textile Treating	2,633	2,635	-0.0	5,530	5,236	+5.6						
Non-Woven Binders	D(1)	D(1)		D(1)	D(1)							
All Other Uses	4,054	4,702	-13.8	8,800	9,358	-6.0						
POLYVINYL ALCOHOL, TOTAL #	13,296	11,925	+11.5	27,741	22,549	+23.0	15,961	9,483	+68.3	30,920	23,904	+29.4
Total Exports	3,530	2,634	+34.0	6,218	4,102	+51.6						
Total Domestic	9,766	9,291	+5.1	21,523	18,447	+16.7						
OTHER VINYL RESINS*, TOTAL	15,065	14,234	+5.8	29,260	30,271	-3.3	15,916	14,901	+6.8	33,313	29,747	+12.0
Total Exports	3,646	3,273	+11.4	6,812	7,158	-4.8						
Total Domestic	11,419	10,961	+4.2	22,448	23,113	-2.9						
*Include only polyvinyl butyral, polyvinyl formal, and polyvinylidene chloride												
THERMOPLASTIC POLYESTER, TOTAL	82,293	75,412	+9.1	166,027	151,926	+9.3	86,652	72,426	+19.6	172,475	146,250	+17.9
Total Exports	9,869	8,491	+16.2	21,173	20,778	+1.9						
Total Domestic	72,424	66,921	+8.2	144,854	131,148	+10.5						
PET Bottle Grades	50,790	49,051	+3.5	102,496	96,684	+6.0						
All Other Thermoplastic Polyester**	21,634	17,870	+21.1	42,358	34,464	+22.9						

** = Includes All Other PET and All Injection Molding Grades
# = Includes imputed data
D = Disclosure
(1) = Included in All Other Uses

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R = Revision

A8920-5

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
1985 ENGINEERING AND SPECIALTY PLASTICS AND RESINS REPORT
(In thousands of pounds and thousands of dollars)

ENGINEERING AND SPECIALTY PLASTICS AND RESINS MATERIALS	PRODUCTION QUANTITY (1,000 POUNDS)	SALES & CAPTIVE USE		SALES
		DOMESTIC AND CAPTIVE QUANTITY (1,000 POUNDS)	EXPORTS QUANTITY (1,000 POUNDS)	GROSS DOLLAR VALUE - $1,000 (EXCLUDES EXPORTS AND CAPTIVE USE)
ENGINEERING AND SPECIALTY PLASTICS AND RESINS, TOTAL	4,221,466	3,194,563	433,772	4,471,190
THERMOSETS n.e.c., TOTAL	800,116	488,899	10,253	345,523
PLASTICS, TOTAL	100,116	63,899	3,253	60,523
RESINS, TOTAL	700,000	425,000	7,000	285,000
THERMOPLASTICS n.e.c., TOTAL	2,587,692	2,069,532	220,346	3,018,884
PLASTICS, TOTAL	1,512,692	1,319,532	140,346	2,318,884
CAST ACRYLIC SHEET	138,950	136,052	7,710	170,710
ALL OTHER PLASTICS	1,373,742	1,183,480	132,636	2,148,174
RESINS, TOTAL	1,075,000	750,000	80,000	700,000
ENGINEERING THERMOPLASTICS, TOTAL	833,658	636,132	203,173	1,106,783

PLASTICS - Polymers for molding, casting and extrusion, including film.

RESINS - Used for paint, textile coatings, leather finishes, adhesives, oil additives, paper treatment, printing inks, etc.

THERMOSETS:

Plastics include: Alkyd Molding Compounds and Diallyl Phthalate
Resins include: Alkyds

THERMOPLASTICS:

Plastics include: Cellulosics, Nitrile Resins (more than 50% Acrylonitrile), Polyethylene Terephthalate for Film,
Polymethylmethacrylate and Copolymers, Acrylic Molding Powder,
Polybutylene, and Polyvinyl Fluoride Resin for Film.

Resins include: Acrylate and Methacrylate, Coumarone-Indene and Hydrocarbon Resins.

ENGINEERING THERMOPLASTICS INCLUDE: Acetal, Fluoropolymers, Polyamide-Imide, Polycarbonate, Polyimide, Modified Polyphenylene Oxide, Polyphenylene Sulfide and Polysulfone.

NOTE: Thermoplastic Polyester Resin and Nylon Resin is not included in this report.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS AS COMPILED BY ERNST & WHINNEY

RELEASE DATE: APRIL 14, 1986

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
1985 ENGINEERING AND SPECIALTY PLASTICS AND RESINS REPORT
(In thousands of pounds and thousands of dollars)

REPORTING INSTRUCTIONS

SCOPE

The objective of this report is to include the Production and Sales & Captive Use of all thermoplastic and thermosetting resins not included in the monthly reporting system. The addition of these data to those of the resins reported monthly will enable the SPI to issue a final report that accurately reflects the total size of the plastics industry, as defined by SPI's Committee on Resin Statistics.

GENERAL

Report ONLY data on plastics and resin materials whose ANNUAL volume of Production or Sales & Captive Use is greater than 500,000 pounds or $500,000 in value. If the volume of Production is greater than 500,000 pounds or the value of Sales & Captive Use is greater than $500,000, you must report data for both Production and Sales & Captive Use.

MATERIALS TO BE INCLUDED

All resins which have application in the traditional plastics sense, and are not reported on a monthly basis, are to be included in this annual report. Exclude elastomers and textile fiber resins.

THERMOSETS n.e.c., TOTAL

Plastics, Total
- Alkyd Molding Compounds
- Diallyl Phthalate
- Silicone Resins
- Other (Specify)

Resins, Total
- Alkyd Resins
- Other (Specify)

THERMOPLASTICS n.e.c., TOTAL

Plastics, Total
- Cellulosics
- Nitrile Resins (More than 50% Acrylonitrile)
- Polyethylene Terephthalate (PET)
- Polymethylmethacrylate & Copolymers (Excluding Cast Acrylic Sheet)
- Cast Acrylic Sheet
- Polybutylene
- Polyvinyl Fluoride Resin for Film
- Polyamide

Resins, Total
- Acrylate & Methacrylate
- Coumarone-indene
- Hydrocarbon Resins
- Other (Specify)

PLASTICS = Polymers for molding, casting and extrusion, including film.
RESINS = Used for paint, textile coating, leather finishes, adhesives, oil additives, paper treatment, printing inks, etc.

Include only that quantity of resin which is fabricated by melt processing and the casting of articles, including film and sheet.

In the case of blended materials, report under the category represented by the larger copolymer. Where blends and copolymers involve purchased materials, only that part of the final product contributed by the blender or co-polymerizer shall be reported. The purchased component should be reported as a sale by its supplier.

PRODUCTION

For purposes of this report, Production is defined as the total quantity of material produced this year for (a) consumption by the producing company, and (b) for sale outside the producing firm.

Report quantity on dry weight basis. Dry weight, for purposes of this report, is the total weight of the material including resin and coloring agents, extenders, fillers, plasticizers, and other additives. Exclude the weight of water and other liquid diluents unless they are an integral part of the material. Resin content is the weight of the polymer or copolymer contained in the material.

SALES & CAPTIVE USE

For purposes of this report, your Sales & Captive Use figures represent the sum for each end use of the quantities sold by the original producers of the material for domestic use and export and of the quantities captively consumed by the producers. Puerto Rico is to be considered part of the United States.

DOLLAR VALUE

Report dollar value in thousands of dollars by material or classification on a gross dollar basis. Your figures should reflect "domestic merchant sales and use." Interplant transfers would be reported at market value. In those cases where an end product is produced in a continuous process, the dollar value will be reported at the market value of the resin times pounds produced, not at the dollar value of the end product.

"Gross dollar value" represents the actual selling price after deductions for cash discounts, quantity discounts, returned goods, and allowances, federal excise taxes and local taxes. Freight charges are included.

1985

ENGINEERING AND SPECIALTY PLASTICS AND RESINS REPORT

PARTICIPATION LIST

COMPANY	THERMOSET RESINS	THERMOPLASTICS RESINS
ALLIED CHEMICAL PLASTICS DIV.		X
AMERICAN CYANAMID COMPANY	X	
AMOCO CHEMICAL CORPORATION		X
CELANESE ENGINEERING RESINS		X
CONTINENTAL POLYMERS		X
CYRO INDUSTRIES		X
DOW CHEMICAL		X
E.I. DUPONT DE NEMOURS & CO., INC.		X
EASTMAN CHEMICAL COMPANY		X
GENERAL ELECTRIC COMPANY PLASTICS DEPARTMENT		X
ICI AMERICAS		X
KSH, INC.		X
MOBAY CHEMICAL CORP.		X
PLASKOLITE, INC.		X
PLASTICS ENGINEERING COMPANY	X	
PHILLIPS CHEMICAL CO.		X
ROGERS CORPORATION	X	
ROHM AND HAAS		X
SHELL CHEMICAL COMPANY		X
SOHIO CHEMICAL CORP.		X
UNION CARBIDE CORPORATION		X
USS CHEMICALS		X